

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	29	increas\$3 with (frequenc \$3 bandwidth channel) same (plurality multiple) with (phone portable mobile cellular pda) and random with delay\$3 with (time interval cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 09:37
L3	1100	time near variable same increas\$3 near3 time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:00
L4	149	time near variable same increas\$3 near3 time and determin\$3 with delay\$3 near (time interval cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:01
L5	20	time near variable same increas\$3 near3 time same determin\$3 with delay\$3 near (time interval cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:01
L6	152250	"455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:03
L7	14	4 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:03
L8	84	((random adj access adj channel) RACH) and increas\$3 near time and (uplink up-link down-link downlink) and (possibility probability)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:05
L9	10	((random adj access adj channel) RACH) and increas\$3 near time and (uplink up-link down-link downlink) and determin\$4 with delay\$3 near time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:05
L12	9	(uplink up-link) and increas \$3 near2 density and increas\$3 near2 time and determin\$4 with delay\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:11

L13	575	(uplink up-link) and increas\$3 near2 time and determin\$4 with delay\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:12
L14	68	(uplink up-link) and increas\$3 near2 time and determin\$4 with delay\$3 and ((random adj access adj channel) RACH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:12
L15	95	increas\$3 near2 time and determin\$4 with delay\$3 and ((random adj access adj channel) RACH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:16
L16	242	(user mobile phone portable) with (determin\$3 detect\$3) with delay\$3 near time and (increas\$3 add\$3 rais\$3) near time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:53
L17	5	(user mobile phone portable) with (determin\$3 detect\$3) with delay\$3 near time and (increas\$3 add\$3 rais\$3) near time and ((random adj access adj channel) RACH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:54
L18	17	(user mobile phone portable) with (determin\$3 detect\$3) with delay\$3 near time and (increas\$3 add\$3 rais\$3) near time and (access adj channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:55
L19	40	uplink near2 access near channel and (add\$3 increas\$3) near time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:57
L20	18	uplink near2 access near channel and (add\$3 increas\$3) near time and (determin\$5 detect\$3) with delay\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 10:58
L21	20	uplink near2 access near channel and (add\$3 increas\$3) near (interval time cycle) and (determin\$5 detect\$3) with delay\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:00
L22	58	uplink near2 access near channel and (add\$3 increas\$3) near (densit\$3 interval time cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:03

L23	1	10/534380	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:42
L24	1	dedicat\$3 near2 terminat\$4 near signal same (user portable phone mobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:46
L27	147	terminat\$4 near signal near4 (requir\$3 respon\$5) same (user portable phone mobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:47
L29	16	indicat\$3 with terminat\$4 near signal near4 (requir\$3 respon\$5) same (user portable phone mobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:50
L30	0	dedicat\$3 near4 indicat\$3 with terminat\$4 near signal near4 (requir\$3 respon\$5) and (user portable phone mobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 13:43
S1	1	10/534380	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 10:39
S2	34	(MBMS (multimedia adj broadcast\$3 adj multicast adj servic\$3)(multi-media adj broadcast\$3 adj3 servic\$3)) and (detect\$3 determin\$6 whether if) with (delay\$3 collisin\$3 interfer\$6 over-lap\$3 overlap\$4) near (time interval) and @ad< "22021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 10:58
S3	14	(MBMS (multimedia adj broadcast\$3 adj multicast adj servic\$3)(multi-media adj broadcast\$3 adj3 servic\$3)) and (detect\$3 determin\$6 whether if) with (delay\$3 collisin\$3 interfer\$6 over-lap\$3 overlap\$4) near (time interval) and @ad< "20021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:00

S4	1	(MBMS (multimedia adj broadcast\$3 adj multicast adj servic\$3)(multi-media adj broadcast\$3 adj3 servic\$3)) and (mobile user portable cell cellular pda phone) with (detect \$3 determin\$6 whether if) with (delay\$3 collisin\$3 interfer\$6 over-lap\$3 overlap\$4) near (time interval) and @ad<"20021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:07
S5	3387	(mobile user portable cell cellular pda phone) with (detect\$3 determin\$6 whether if) with (delay\$3 collisin\$3 interfer\$6 over-lap\$3 overlap\$4) near (time interval)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:12
S6	52	(mobile user portable cell cellular pda phone) with (detect\$3 determin\$6 whether if) with (delay\$3 collisin\$3 interfer\$6 over-lap\$3 overlap\$4) near (time interval) and ((random adj access adj channel) RACH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:13
S7	59	(mobile user portable cell cellular pda phone) with (detect\$3 determin\$6 whether if) with (delay\$3 collisin\$3 interfer\$6 over-lap\$3 overlap\$4) near (time interval period\$6 cycle) and ((random adj access adj channel) RACH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:16
S8	27	increas\$3 with (density time interval period\$6 cycle) and (MBMS (multimedia adj broadcast \$3 adj multicast adj servic \$3)(multi-media adj broadcast\$3 adj3 servic \$3)) and ((random adj access adj channel) RACH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:28

S9	9	(portable phone mobile user device cellular pda) with ((random adj access adj channel) RACH) with (detect\$3 determin\$6 whether if) with (delay\$3 collision\$3 interfer\$6 overlap\$3 overlap\$4) near (time interval period\$6 cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:47
S10	57	((random adj access adj channel) RACH) and (portable phone mobile user device cellular pda) with (detect\$3 determin\$6 whether if) with (delay\$3 collision\$3 interfer\$6 overlap\$3 overlap\$4) near (time interval period\$6 cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:53
S11	75	((random adj access adj channel) RACH) and (portable phone mobile user device cellular pda) with (detect\$3 determin\$6 whether if) with (delay\$3 collision\$3 interfer\$6 overlap\$3 overlap\$4 hold\$3 wait\$4 interrupt\$3 stop\$4 laps\$3 drop\$4 fall\$4 sip \$4) near (time interval period\$6 cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/10 11:56
S12	1	10/534380	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/12/17 14:36
S13	338	time near variable same increas\$3 near time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/12/17 14:37
S14	1	S12 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/12/17 14:37
S15	3095	time near variable and increas\$3 near time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/12/17 14:38
S16	1	S12 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/12/17 14:38

S17	5	increas\$3 near4 density near6 delay\$3 and (determin\$6 detect\$3) near6 (phone mobile portable pda cellular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:40
S18	1	10/534380	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:41
S19	265552	densit\$3 near4 increas\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:42
S20	1	S18 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:42
S21	2274	(user portable subscriber mobile phone cellular pda) same determin\$6 near6 time near2 delay\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:43
S22	620	455/515.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:44
S23	2	S21 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:44
S24	62	kroth near2 norbert.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:45
S25	873	probabil\$4 with densit\$3 near3 increas\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:46
S26	2	S24 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:46
S27	7	S21 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:46
S28	5	probabil\$4 with densit\$3 near3 increas\$3 and (determin\$6 detect\$3) same uplink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:48

S29	185	densit\$3 near3 increas\$3 and (determin\$6 detect \$3) same uplink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:49
S30	87	densit\$3 near3 increas\$3 and (determin\$6 detect \$3) same uplink same (user portable subscriber mobile phone cellular pda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:50
S31	494	(determin\$5 detect\$3) with time near2 delay\$3 and probabil\$5 near distribut\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:54
S32	13	(determin\$5 detect\$3) with time near2 delay\$3 and probabil\$5 near distribut\$3 near5 increas \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:55
S35	104	(determin\$5 detect\$3) same delay\$3 near3 time same probabil\$5 near distribut\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 14:58
S36	152041	"455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:02
S37	5	S35 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:02
S38	104	(determin\$5 detect\$3) same (interference delay \$3) near3 time same probabil\$5 near distribut \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:06
S41	10	(determin\$5 detect\$3) same (interference delay \$3) near3 time same probabil\$5 near distribut \$3 and (uplink up-link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:09
S42	19	(determin\$5 detect\$3) same (interference delay \$3) near3 time same probabil\$5 same (uplink up-link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:16
S43	12	probabil\$5 with delay\$3 near time same (uplink up-link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:44

S44	313	((random adj access adj channel) RACH) and (user portable phone mobile pda cellular) with (determin\$6 near2 (time delay\$3 interference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:48
S45	37	((random adj access adj channel) RACH) same (user portable phone mobile pda cellular) with (determin\$6 near2 (time delay\$3 interference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:48
S46	30	((random adj access adj channel) RACH) same (user portable phone mobile pda cellular) with (determin\$6 near2 (time delay\$3 interference)) and (uplink up-link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:50
S47	17	((random adj access adj channel) RACH) same (user portable phone mobile pda cellular) with (determin\$6 near2 (time delay\$3 interference)) and (uplink up-link) and (possibility probability)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:54
S48	1	10/534380	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/01 10:35
S49	2	((random adj access adj channel) RACH) and signal \$4 near4 overload and (user portable phone mobile pda cellular) and determin\$6 near2 delay\$3 near2 (time period\$4 interval cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/01 10:39
S50	160	((random adj access adj channel) RACH) and (user portable phone mobile pda cellular) same (detect \$3 determin\$6) with delay \$3 with (time period\$4 interval cycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/01 10:42

S51	1	((random adj access adj channel) RACH) and (user portable phone mobile pda cellular) same (detect \$3 determin\$6) with delay \$3 with (time period\$4 interval cycle) and (overload\$3 over-load\$3) and (simultaneous near3 attempt\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/01 10:49
S53	55	(detect\$3 determin\$6) with delay\$3 with random near2 (time period\$4 interval cycle) same (user portable phone mobile pda cellular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/01 11:55

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